What Is Claimed Is :

1. A power supplying apparatus for a vehicle, comprising:

an electric power line for being wired in an interior of a vehicle from a battery and for supplying a power to various kinds of loads of said vehicle;

plural short sensors for detecting a short between plural sections of said electric power lines; and

a control circuit for specifying said short section of said electric power line in accordance with a short detection condition of said plural short sensors.

2. A power supplying apparatus for a vehicle according to claim 1, characterized in that

between said short sensor and another short sensor, a connector for connecting said electric power lines each other is arranged.

3. A power supplying apparatus for a vehicle, comprising:

a load drive use electric power line for being wired in an interior of a vehicle from a battery through a fuse;

a control circuit drive use electric power line for being wired in said interior of said vehicle from a battery through another fuse;

a control apparatus including:

a control circuit for being supplied a power from said control circuit drive use electric power line,

and

a load drive circuit provided between said load drive use electric power line and said load and for controlling a supply of a power to said load in response to a signal from said control circuit.

4. A power supplying apparatus for a vehicle according to claim 3, characterized in that

an over-current detection apparatus provided between said load drive circuit and said fuse and for detecting an over-current condition of said load drive circuit and further for transmitting said detected current condition to said control circuit; and

a shutdown circuit for performing a shutdown an electric line between said fuse and said load drive circuit in response to a signal from said control circuit.

5. A power supplying apparatus for a vehicle according to claim 3, characterized in that

a short sensor for detecting an abnormality according to a short of said load drive use electric power line; and

a shutdown circuit for performing a shutdown an electric line between said fuse and said load drive circuit in response to a signal from said short circuit through said control circuit.

6. A power supplying apparatus for a vehicle according to claim 3, characterized in that

said control apparatus includes a communication control circuit;

one control apparatus and another control apparatus are connected by a communication line each other; and

in response to a condition of a switch which is inputted to said one control apparatus, a supply and a stop of the power against to a load of said another control apparatus is constituted for enable to control.

7. A power supplying apparatus for a vehicle, comprising:

a first power supply system for being wired in an interior of a vehicle through a fuse from a battery and for supplying a power to a various kinds of loads of said vehicle;

a second power supply system for being wired in said interior of said vehicle through another fuse from a battery and for supplying the power to a control circuit of a control apparatus for controlling said load; and

a protection circuit for detecting a short abnormality of said first power supply system and for practicing a protection control of said first power supply system through said control circuit.

8. A power supplying apparatus for a vehicle, comprising:

a first power supply system for being wired in an

interior of a vehicle through a fuse from a battery and for supplying a power to a running control load of said vehicle;

a second power supply system for being wired in said interior of said vehicle through another fuse from said battery and for supplying the power to an equipment system load of said vehicle; and

a third power supply system for being wired in said interior of said vehicle through a further another fuse from said battery and for supplying the power to a control circuit for controlling said equipment system load.

9. A power supplying control apparatus for a vehicle, comprising:

a vehicle mounting power supply;

a vehicle mounting load for receiving a supply of a power from said vehicle mounting power supply through a driver circuit;

a fuse connected between said vehicle mounting power supply and said driver circuit;

a shutdown circuit provided between said driver circuit and a fuse; and

a control circuit for giving a circuit shutdown signal to said shutdown circuit.

10. A power supplying apparatus for a vehicle, comprising:

a vehicle mounting power supply;

plural control modules having a control circuit in which a load drive signal is generated and a load drive circuit for controlling a power supplying to a load according to a drive signal from said control circuit;

a large power line for supplying a load drive power from said vehicle mounting power supply through one fuse against to at least two said control modules; and

a small power line for supplying a control circuit use power from said vehicle mounting power supply through another fuse against to said control circuit of said respective control modules.

11. In a load control module which is installed to a specific position of a vehicle, the load control module for a power supplying apparatus for a vehicle, comprising:

a communication circuit connected to another module through a communication line;

a control circuit for outputting a control signal of a load in accordance with a signal which is inputted through said communication circuit;

a battery;

a drive circuit for controlling a power supplying to said load in accordance with an output signal from said control circuit;

a relay for opening and closing a power line to a specific load by an output from said control circuit; and

a fuse connected between said battery and said specific load and for fusing when an over-current is flown into said specific load.

12. A power supplying apparatus for a vehicle according to claim 8, the power supplying apparatus comprising further:

an ignition coil switch and/or an accessory switch connected to said battery through another fuse; and

another power supply system for supplying a power through from said ignition coil switch and/or said accessory switch to a further another fuse.

13. A power supplying apparatus for a vehicle, comprising:

a load control apparatus for receiving a load drive power from a vehicle mounting power supply through an ignition switch and a fuse which is connected in series to said ignition switch;

another control apparatus for receiving the power from said vehicle mounting power supply through another fuse; and

a backup power supply supplying line for supplying the power from said another control apparatus to said load control apparatus.

14. A power supplying apparatus for a vehicle, comprising:

a control apparatus in which a power is distributed from a vehicle mounting power supply through a fuse;

a shutdown apparatus provided an electric path of a power take-in portion of said control apparatus;

a driver circuit for supplying the power to a load through said shutdown apparatus;

another driver circuit for supplying the power to another load by going by a roundabout circuit of said shutdown apparatus.

15. A power supplying apparatus for a vehicle, comprising:

a relay and/or fuse for opening a power line between a load and a power supply in a specific control condition being disperse arranged at a vicinity of plural control apparatuses which are arranged at a specific position of said vehicle.

16. A power supplying apparatus for a vehicle, comprising:

to a specific load, from a vehicle mounting power supply, a power being supplied through a fuse, a circuit shutdown relay, and a self shutdown type semiconductor switching element.

17. A power supplying apparatus for a vehicle, comprising:

plural load control modules connected by a communication line;

an electric wiring line for supplying a power to one of said load control modules through a fuse; and

another electric wiring line for supplying the power to another of said load control modules through another fuse.

18. A power supplying apparatus for a vehicle, comprising:

a relay comprised of a relay coil which is supplied a power from a vehicle mounting power supply when an ignition switch and/or an accessory switch is closed and a relay contact which is closed when said relay coil is supplied the power;

a load control module having a power distribution function connected to said vehicle mounting power supply through said relay contact;

said load module comprising:

an input interface for taking in a load operation signal which is given by another control module and/or an outside operation signal generation means;

a control circuit for outputting a load drive signal in accordance with said load operation signal which is taken in from said input interface; and

an output interface for outputting said load drive signal to a driver circuit from said control circuit.

19. A power supplying apparatus for a vehicle according to claim 18,

said input interface has a communication circuit.

20. A power supplying apparatus for a vehicle according to claim 18,

a fuse is connected between said relay contact and said specific load.

21. A power supplying apparatus for an automobile, comprising:

a rear control module installed to an area of a rear portion from a front portion seat of the automobile;

a front control module installed to an area of a front portion from said front portion seat of the automobile;

a central control module installed between said front control module and said rear control module of the automobile;

a rear side electric power line for connecting said rear control module and a battery;

a front side electric power line for connecting said front control module and said central control module to said battery;

an ignition switch connected to an input interface of said central control module;

an ignition relay coil connected to a communication line said front control module;

an ignition relay contact for closing/opening in which said ignition relay coil is supplied or shutdown the power by a signal of said ignition switch which is inputted to said input interface of said front control module from said central control module; and

a specific load in which the power from said front side electric power line is supplied through said ignition relay contact.

22. A power supplying apparatus for an automobile according to claim 21, comprising:

a fuse connected to between said ignition relay contact and said specific load.

23. A power supplying apparatus for an automobile according to claim 22, comprising:

said specific load being an alternator and/or a stator.

24. A power supplying apparatus for an automobile according to claim 22, comprising:

said ignition relay and said fuse received in a relay/fuse box which is provided adjacently to said control

module.

25. A power supplying apparatus for an automobile, comprising:

a load drive control use drive circuit provided between a power supply of said automobile and a specific load;

a relay provided between said load drive control use drive circuit and said power supply;

a sleep control circuit for opening a relay contact by stopping the current flowing a coil of said relay and performing a shutdown an electric line to said specific load by a detection in which said automobile is not operated and said specific load is not needed a power.